



**Figure 1/6**

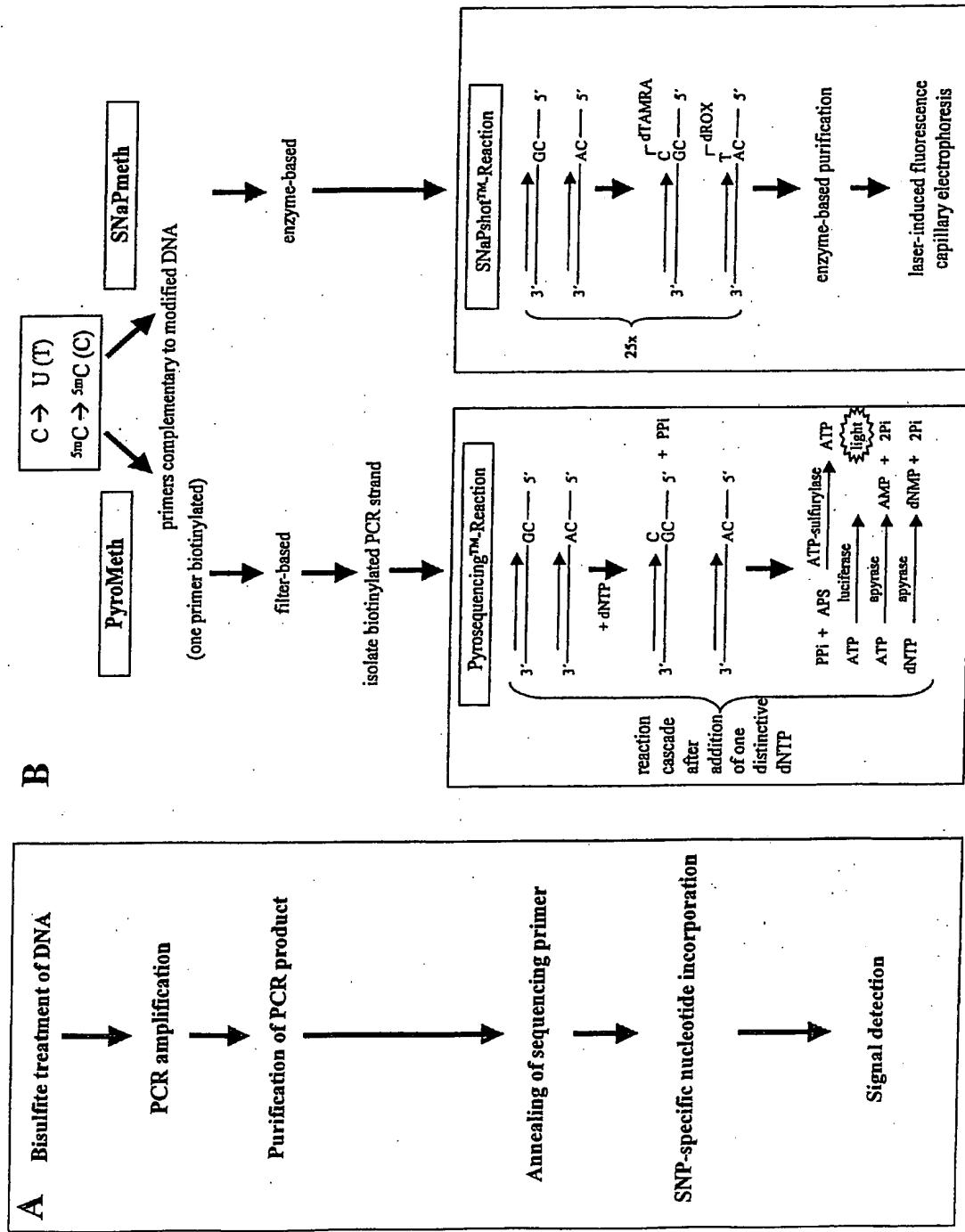
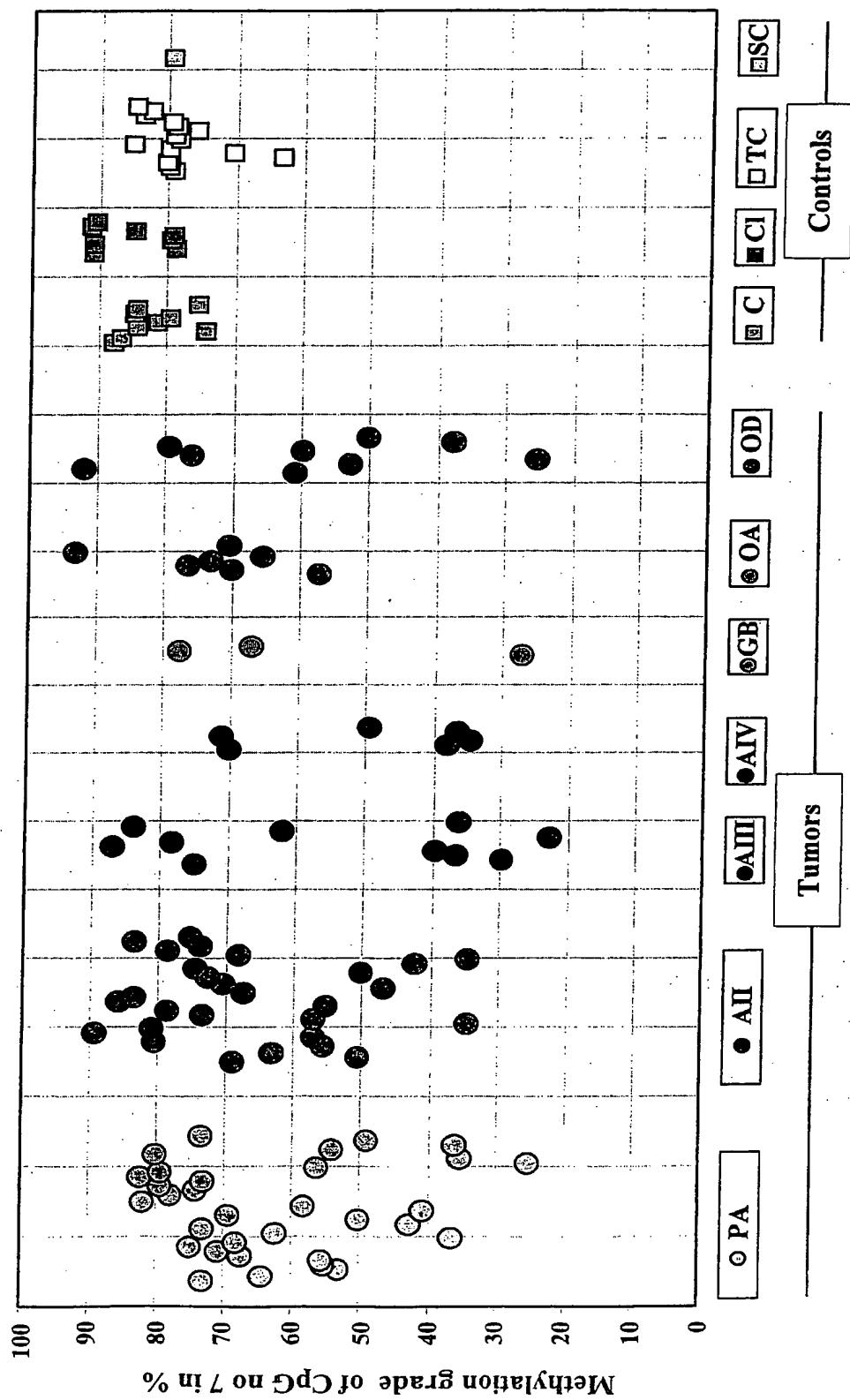


Figure 4/6



**Figure 5/6**

**Comparison of the methylation grade at a distinct CpG between primary tumors and their recurrences**

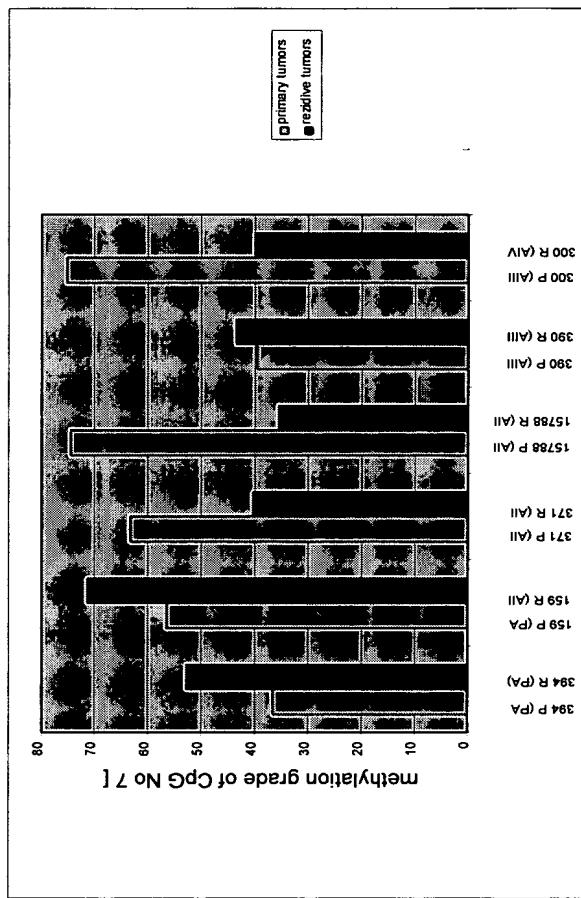


Figure 5: Comparison of the methylation grade at CpG No. 7 in 6 primary gliomas and their respective recurrence. The case number and the glioma subtype are indicated below the columns. Recurrences of PA show higher methylation than Cases 159, 190 und 394 show a lower methylation in their primary tumors than in their recurrence. Cases 300, 371 und 15788 show a higher methylation degree in the primary tumors in comparison to the recurrence. PA: pilocytic astrocytoma; AII: astrocytoma grade II; AIII: astrocytoma grade III; AIV: astrocytoma grade IV.

Figure 6/6

**Comparison of the methylation grade at a distinct CpG in tumor DNA of a patient and its blood DNA**

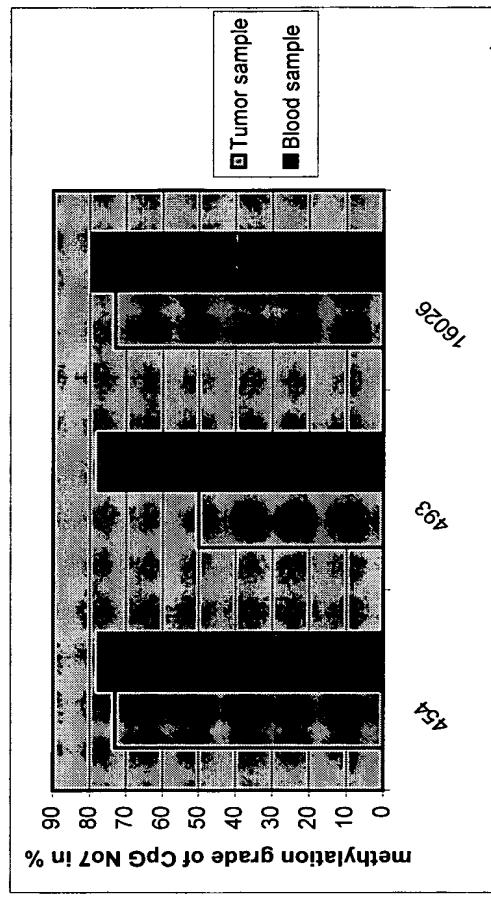


Figure 6: Comparison of the methylation grade of CpG No. 7 between 3 primary pilocytic astrocytomas and the blood samples of the respective patients. In all cases the methylation grade is lower in the blood DNA than in tumor DNA. The methylation grade makes therefore the DNA distinguishable.